

o **Polycarbonate** compositions with flame retardance,
impact resistance, rigidity, and moldability

L49 ANSWER 119 OF 139 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1996:197096 CAPLUS
DOCUMENT NUMBER: 124:234129
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PATENT ASSIGNEE(S): Toray Industries, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08012868	A2	19960116	JP 1995-104505	19950428
PRIORITY APPLN. INFO.:			JP 1994-92022	19940428

OTHER SOURCE(S): MARPAT 124:234129

AB The title compns. free of Cl and Br compds. comprise (i) 100 parts resin compns. comprising (A) arom. **polycarbonates**, (B) 0-50% graft copolymers prep'd. by graft copolyrn. of 70-20 parts monomer **mixts** . contg. 40-90% arom. vinyl monomers and 10-60% vinyl cyanides to 30-80 parts rubber polymers, and/or (C) vinyl copolymers prep'd. by copolymg. monomer **mixts**. contg. 40-90% arom. vinyl monomers and 10-60% vinyl cyanides (A 50-98%, B + C = 2-50%), (ii) 0.01-5 parts F-contg. resins and/or silicones, and (iii) 1-40 parts P ester compds. (R1O)(R2O)P(O)OXOP(O)(OR3)(OR4) [X = arylene; R1-R4 = (substituted) Ph]. Thus, bisphenol A-COC12 copolymer 86, acrylonitrile-polybutadiene-styrene graft copolymer 14, Polyflon F 104 0.2, and PX-201 15 parts were mixed, melt-kneaded at 240.degree., extruded, pelletized, and injection-molded at 260.degree. to give a test piece.

ST arom **polycarbonate** compn phosphate flame retardance; heat resistance arom **polycarbonate** compn; impact resistance arom **polycarbonate** compn; rubber graft copolymer **blend** **polycarbonate**

IT Phosphates, uses
RL: MOA (Modifier or additive use); USES (Uses)
(flame retardants; heat- and impact-resistant fireproof arom. **polycarbonate** compns.)

IT Heat-resistant materials
Impact-resistant materials
(heat- and impact-resistant fireproof arom. **polycarbonate** compns.)

IT Fireproofing agents
(phosphates; heat- and impact-resistant fireproof arom. **polycarbonate** compns.)

IT Rubber, silicone, properties
RL: POF (Polymer in formulation); PRP (Properties); USES (Uses)
(**polycarbonate** blend, Trefil E 601; heat- and impact-resistant fireproof arom. **polycarbonate** compns.)

IT Fluoropolymers
Siloxanes and Silicones, properties
RL: POF (Polymer in formulation); PRP (Properties); USES (Uses)
(**polycarbonate** blends; heat- and impact-resistant fireproof arom. **polycarbonate** compns.)

IT **Polycarbonates**, preparation
RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); PREP (Preparation); USES (Uses)
(arom., heat- and impact-resistant fireproof arom. **polycarbonate** compns.)

IT Plastics, molded
RL: POF (Polymer in formulation); PRP (Properties); USES (Uses)